

Title (en)  
ENERGY METERS

Publication  
**EP 0420536 A3 19911127 (EN)**

Application  
**EP 90310404 A 19900924**

Priority  
US 41235189 A 19890925

Abstract (en)  
[origin: EP0420536A2] An output connection and signal conditioning circuit board is selected and detachably connected to an electronic energy meter to customize its functions. Connectors are provided at the ends of the circuit board to mate with an edge connector in the bezel of the register and spaced holes in the base. A separate flexible connection to the KYZ terminals is provided, along with an intermediate tab and slot to position the circuit board and strengthen the meter. A selected circuit board is added to the manufactured meter to meet customer requirements by inserting a pin connector at the bottom of the circuit board through the spaced holes, and rotating the circuit board to mate with the tab and the edge connector.

IPC 1-7  
**G01R 11/02**; **G01R 11/04**

IPC 8 full level  
**G01R 11/02** (2006.01); **G01R 11/04** (2006.01); **G01R 22/00** (2006.01); **H05K 1/18** (2006.01)

CPC (source: EP US)  
**G01R 11/02** (2013.01 - EP US); **G01R 22/065** (2013.01 - EP US); **H05K 1/18** (2013.01 - EP US)

Citation (search report)  
• [A] GB 2161945 A 19860122 - WESTINGHOUSE ELECTRIC CORP  
• [A] US 4791362 A 19881213 - PHILPOT LUDLOW [US]  
• [A] US 4615009 A 19860930 - BATTOCLETTI FRANK E [US], et al

Designated contracting state (EPC)  
CH DE ES FR GB LI

DOCDB simple family (publication)  
**EP 0420536 A2 19910403**; **EP 0420536 A3 19911127**; **EP 0420536 B1 19940511**; AR 242857 A1 19930531; BR 9004758 A 19910910; DE 69008807 D1 19940616; DE 69008807 T2 19941222; ES 2052185 T3 19940701; JP 3099297 B2 20001016; JP H03152476 A 19910628; PH 27170 A 19930402; PT 95413 A 19920529; US 4994734 A 19910219

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**EP 90310404 A 19900924**; AR 31782890 A 19900911; BR 9004758 A 19900924; DE 69008807 T 19900924; ES 90310404 T 19900924; JP 25209690 A 19900925; PH 41246 A 19900924; PT 9541390 A 19900925; US 41235189 A 19890925